Proposed Code Change
State Form 41186R

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CODE SERVICES SECTION
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INSTRUCTIONS: *Only TYPED copy accepted.*
(KEY – ~~Dashed line through material to be deleted~~, underline material to be added)
Use second sheet for any material requiring more space.

Code Title	Edition
2009 Indiana Residential Code	First Edition
Section number and title	Page
Appendix R (formerly Chapter 33)	1 of 2
Proponent / Title	
Craig Wagner / Chief Building Inspector/ IABO Code Comm. Member	
Address	Phone
220 W Van Buren St, Columbia City IN 46725	260-248-3111

PROPOSED CODE CHANGE (Check One)

☒ Change to read as follows ☐ Add to read as follows ☐ Delete and substitute as follows ☐ Delete without substitution

~~**CHAPTER 33**~~
APPENDIX R
STORM DRAINAGE

SECTION ~~P~~ AR3301, GENERAL

~~**P**~~ **AR3301.1 Scope.** The provisions of this chapter shall govern the materials, design, construction and installation of storm drainage.

SECTION ~~P~~ AR3302, SUBSOIL DRAINS

~~**P**~~ **AR3302.1 Subsoil drains.** Subsoil drains shall be open-jointed, horizontally split or perforated pipe conforming to one of the standards listed in Table ~~P~~ AR3302.1 Such drains shall not be less than 4 inches (102 mm) in diameter. Where the building is subject to backwater, the subsoil drain shall be protected by an accessibly located backwater valve. Subsoil drains shall discharge to a trapped area drain, sump, dry well or *approved* location above ground. The subsoil sump shall not be required to have either a gas-tight cover or a vent. The sump and pumping system shall comply with Section ~~P~~ AR3303.

SECTION ~~P~~ AR3303, SUMPS AND PUMPING SYSTEMS

~~**P**~~ **AR3303.1 Pumping system.** The sump pump, pit and discharge piping shall conform to Sections ~~P~~ AR 3303.1.1 through ~~P~~ AR 3303.1.4.
~~**P**~~ **AR3303.1.1 Pump capacity and head.** The sump pump shall be of a capacity and head appropriate to anticipated use requirements.
~~**P**~~ **AR3303.1.2 Sump pit.** The sump pit shall not be less than 18 inches (457 mm) in diameter and 24 inches (610 mm) deep, unless otherwise *approved*. The pit shall be

accessible and located so that all drainage flows into the pit by gravity. The sump pit shall be constructed of tile, steel, plastic, cast-iron, concrete or other *approved* material, with a removable cover adequate to support anticipated loads in the area of use. The pit floor shall be solid and provide permanent support for the pump.

~~P~~ AR3303.1.3 Electrical. Electrical outlets shall meet the requirements of Chapters 34 through 43.

~~P~~ AR3303.1.4 Piping. Discharge piping shall meet the requirements of Sections P3002.1, P3002.2, P3003.3 and P3003. Discharge piping shall include an accessible full flow check valve. Pipe and fittings shall be the same size as, or larger than, pump discharge tapping.

TABLE AR3302.1

~~TABLE P3302.1~~
SUBSOIL DRAIN PIPE

MATERIAL	STANDARD
Asbestos-cement pipe	ASTM C 508
Cast-iron pipe	ASTM A 74; ASTM A 888; CISPI 301
Polyethylene (PE) plastic pipe	ASTM F 405; CSA B182.1; CSA B182.6; CSA B182.8
Polyvinyl chloride (PVC) Plastic pipe (type sewer pipe, PS25, PS50 or PS100)	ASTM D 2729; ASTM F 891; CSA B182.2; CSA B182.4
Stainless steel drainage systems, Type 316L	ASME A112.3.1
Vitrified clay pipe	ASTM C 4; ASTM C 700

REASON

This chapter will not apply in one and two-family dwellings but could possibly apply in some Class 1 Structures so it has been renamed Appendix R. The appendix may be used if adopted by local ordinance.

Fiscal impact: no increase to the cost of construction, current amendment language.

REVIEW RECOMMENDATION

Approve

Disapprove

Approve as amended

Further Study